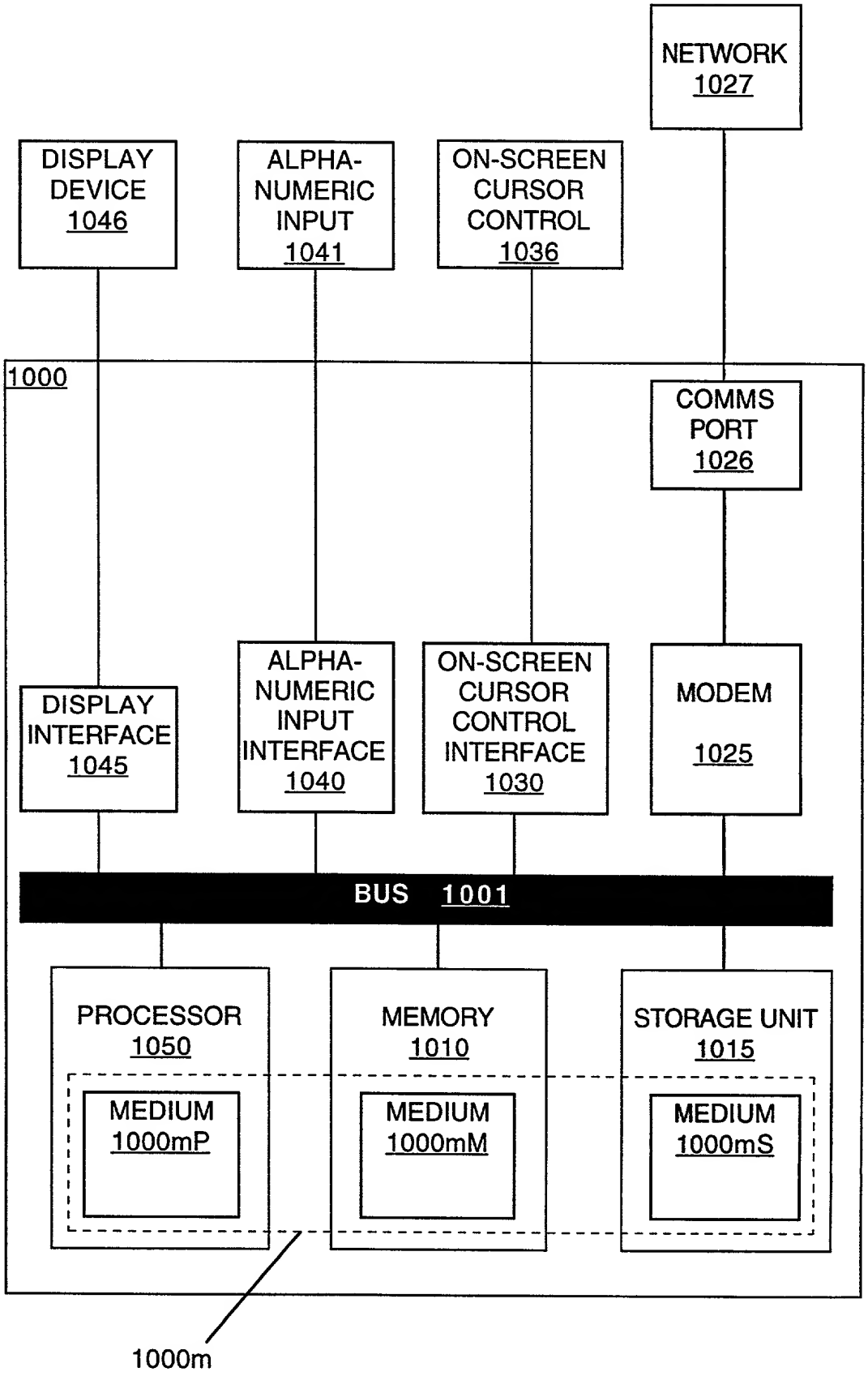

Figure 1

CYPR-C00158/ACM/LRG

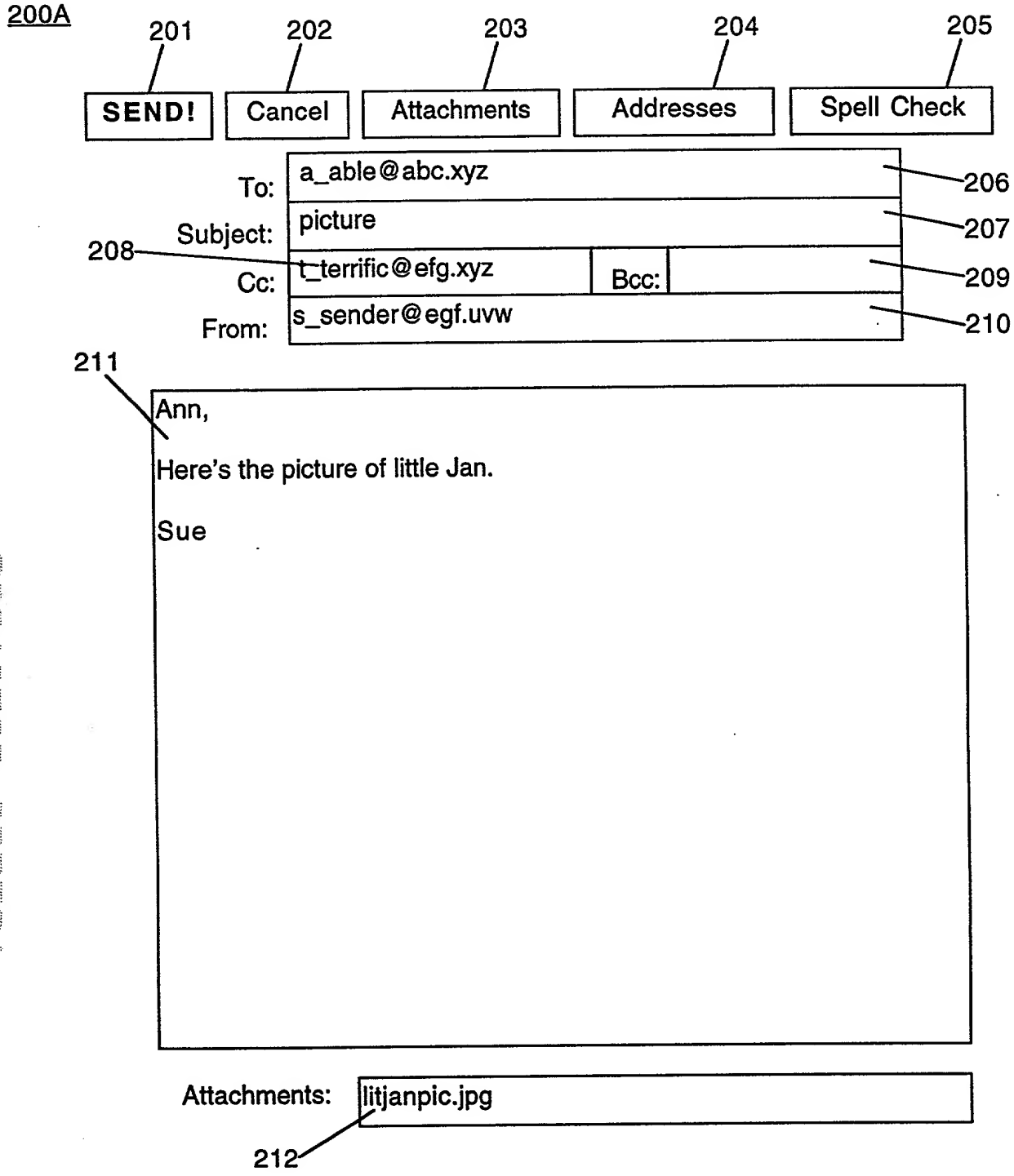
200A
201
202
203
204
205
SEND!
Cancel
Attachments
Addresses
Spell Check
To:
a_able@abc.xyz
206
Subject:
picture
207
208
Cc:
t_terrific@efg.xyz
Bcc:
209
From:
s_sender@egf.uvw
210
211
Ann,
Here's the picture of little Jan.
Sue
Attachments:
litjanpic.jpg
212

Figure 2A

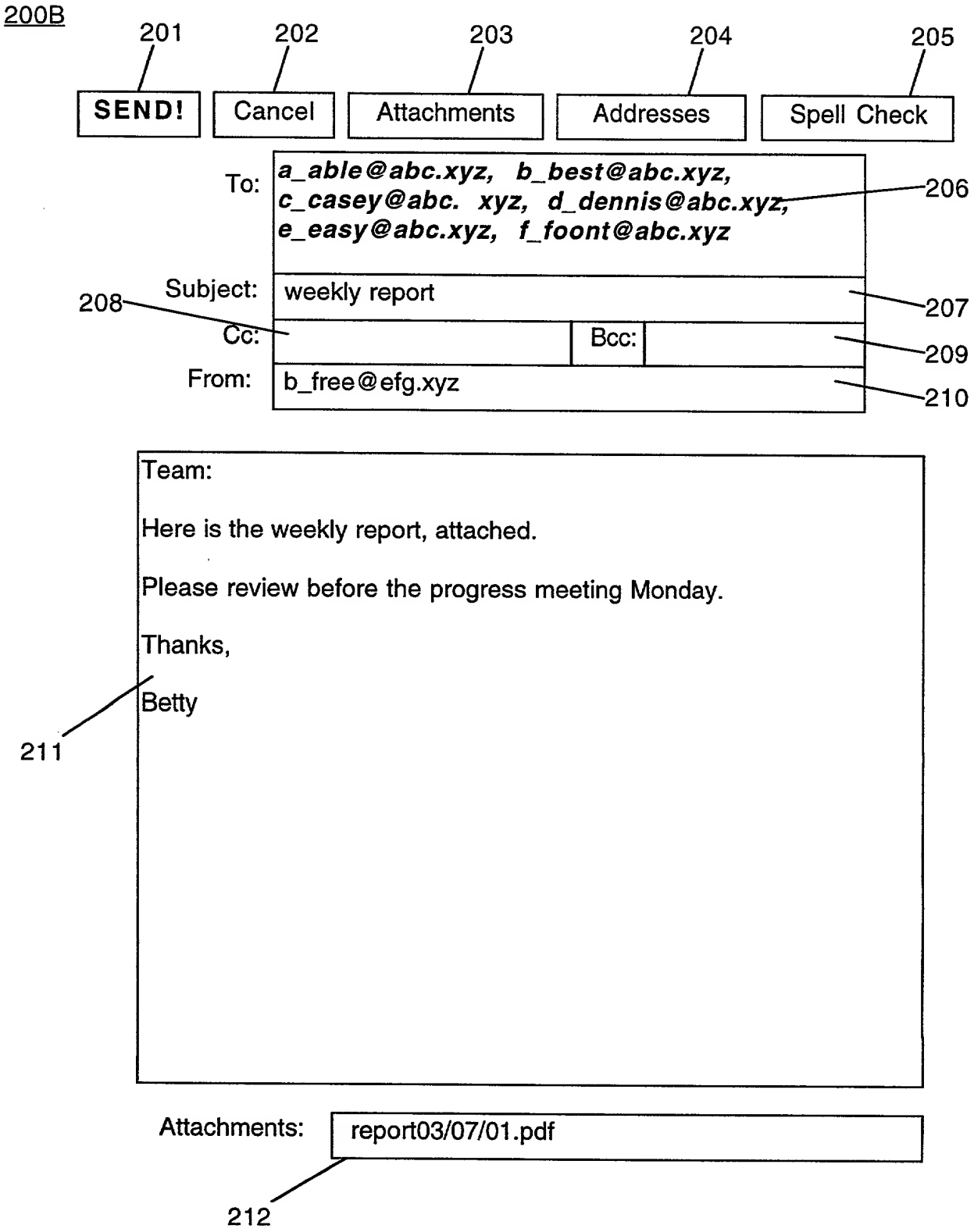
200B
201
202
203
204
205
SEND!
Cancel
Attachments
Addresses
Spell Check
To:
a_able@abc.xyz, b_best@abc.xyz,
c_casey@abc. xyz, d_dennis@abc.xyz,
e_easy@abc.xyz, f_foont@abc.xyz
206
Subject:
weekly report
207
208
Cc:
Bcc:
209
From:
b_free@efg.xyz
210
Team:
Here is the weekly report, attached.
Please review before the progress meeting Monday.
Thanks,
Betty
211
Attachments:
report03/07/01.pdf
212

Figure 2B

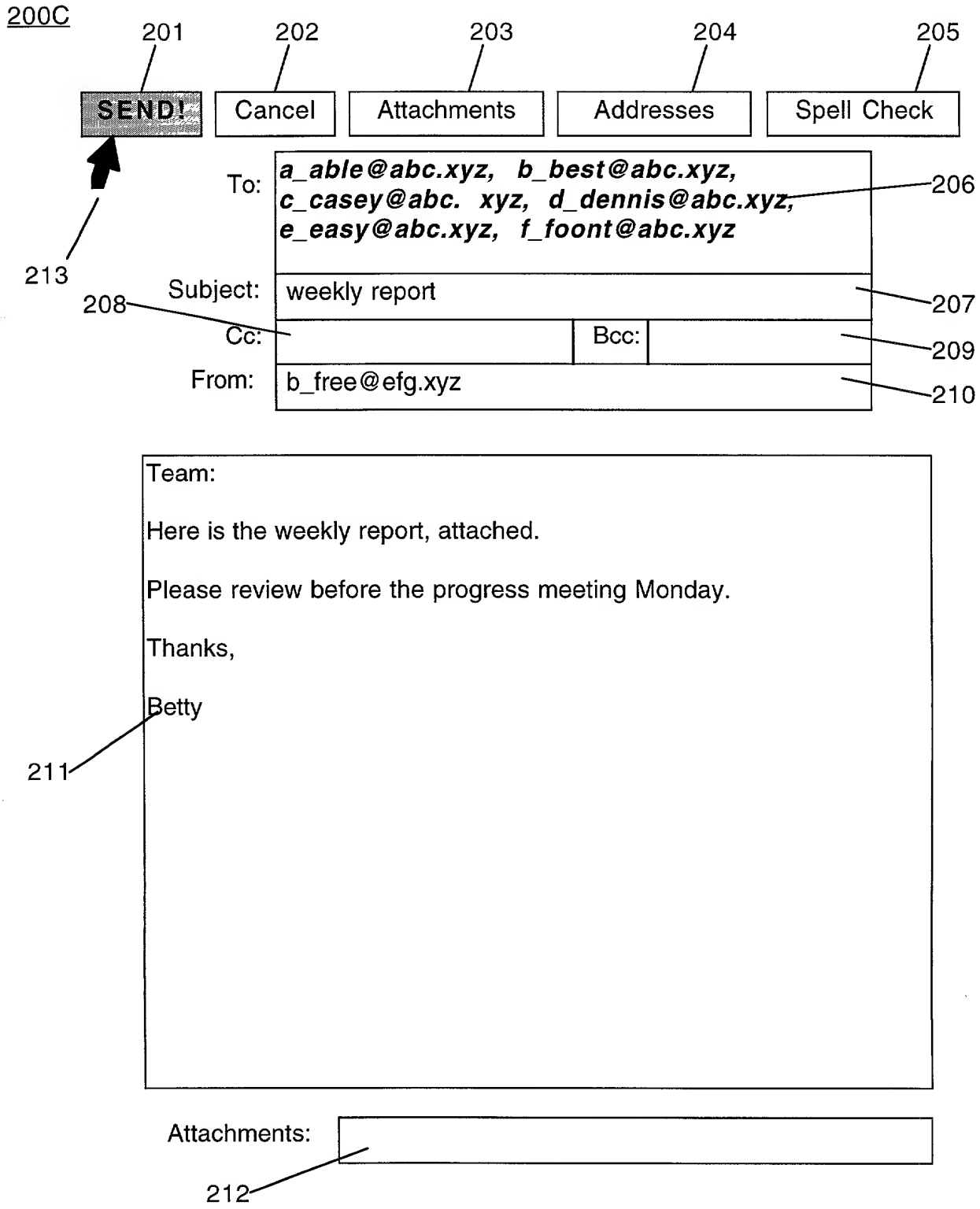
200C
201
202
203
204
205
SEND!
Cancel
Attachments
Addresses
Spell Check
To:
a_able@abc.xyz, b_best@abc.xyz,
c_casey@abc. xyz, d_dennis@abc.xyz,
e_easy@abc.xyz, f_foont@abc.xyz
206
213
Subject:
weekly report
208
207
Cc:
Bcc:
209
From:
b_free@efg.xyz
210
Team:
Here is the weekly report, attached.
Please review before the progress meeting Monday.
Thanks,
Betty
211
Attachments:
212

Figure 2C

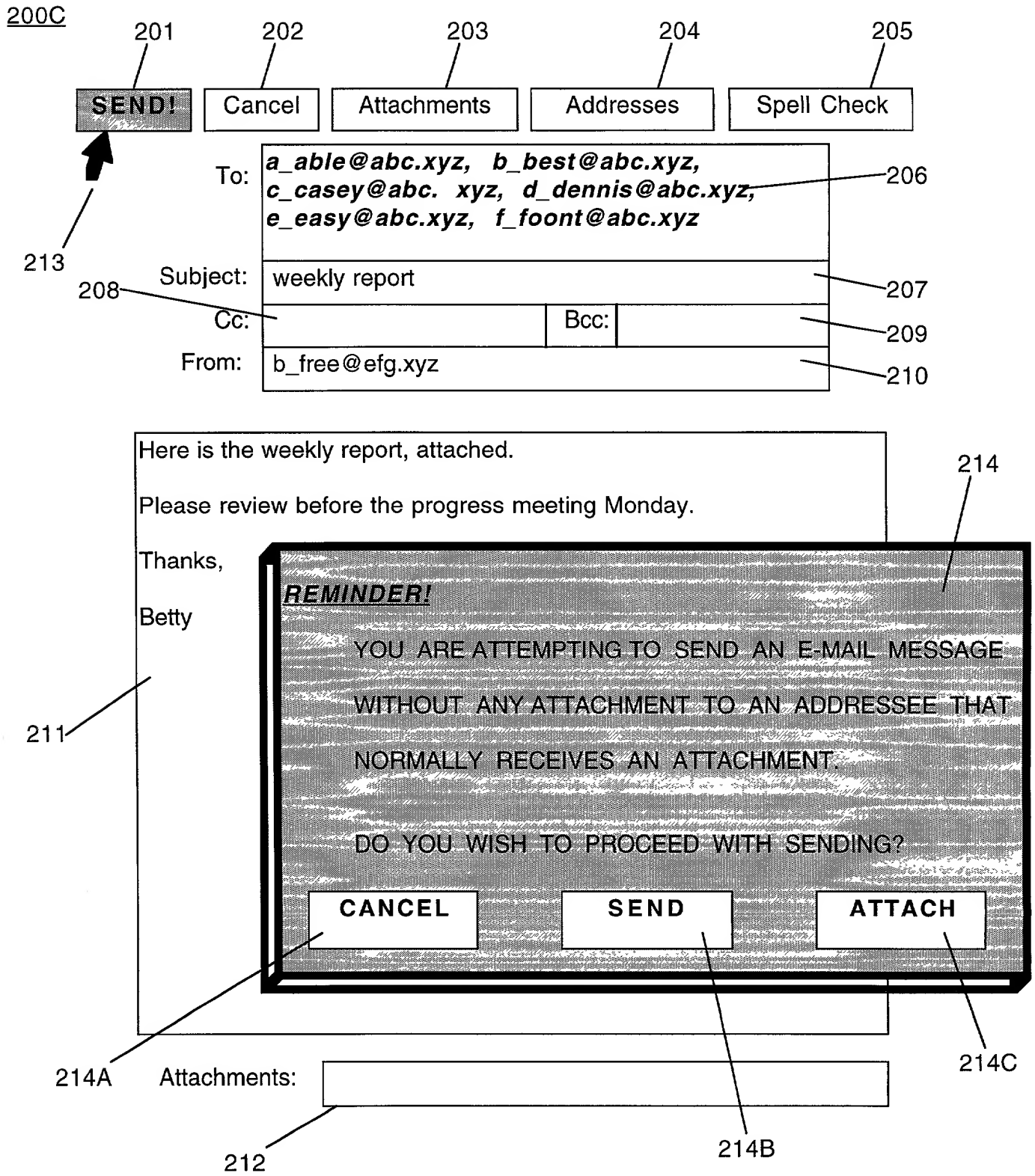
200C
201
202
203
204
205
SEND!
Cancel
Attachments
Addresses
Spell Check
To:
a_able@abc.xyz, b_best@abc.xyz,
c_casey@abc. xyz, d_dennis@abc.xyz,
e_easy@abc.xyz, f_foont@abc.xyz
206
213
Subject:
weekly report
207
208
Cc:
Bcc:
209
From:
b_free@efg.xyz
210
Here is the weekly report, attached.
Please review before the progress meeting Monday.
Thanks,
Betty
214
REMINDER!
YOU ARE ATTEMPTING TO SEND AN E-MAIL MESSAGE
WITHOUT ANY ATTACHMENT TO AN ADDRESSEE THAT
NORMALLY RECEIVES AN ATTACHMENT.
DO YOU WISH TO PROCEED WITH SENDING?
CANCEL
SEND
ATTACH
211
214A
214C
Attachments:
212
214B

Figure 2D

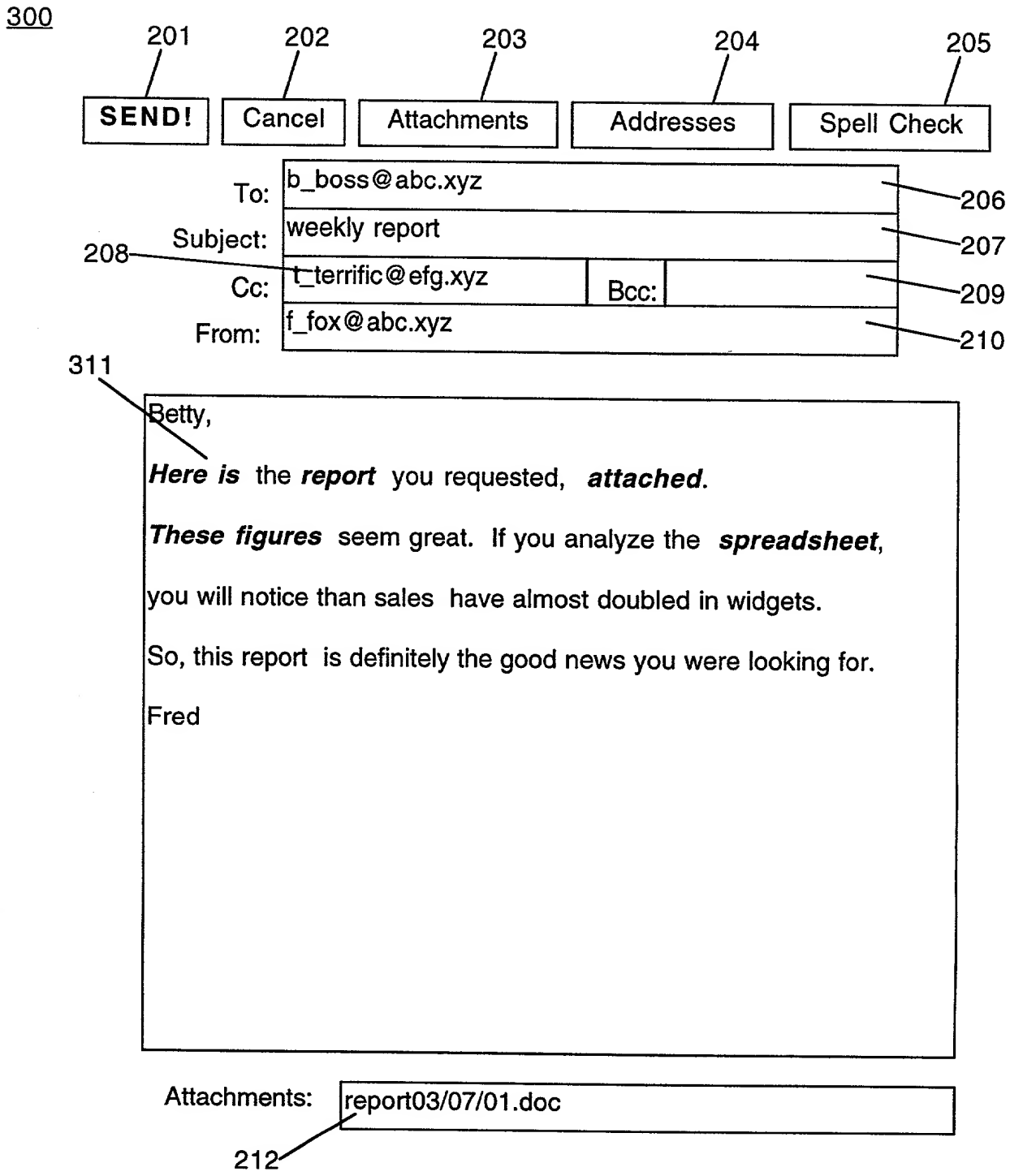
300
201
202
203
204
205
SEND!
Cancel
Attachments
Addresses
Spell Check
To:
b_boss@abc.xyz
206
Subject:
weekly report
207
208
Cc:
t_terrific@efg.xyz
Bcc:
209
From:
f_fox@abc.xyz
210
311
Betty,
Here is the report you requested, attached.
These figures seem great. If you analyze the spreadsheet,
you will notice than sales have almost doubled in widgets.
So, this report is definitely the good news you were looking for.
Fred
Attachments:
report03/07/01.doc
212

Figure 3A

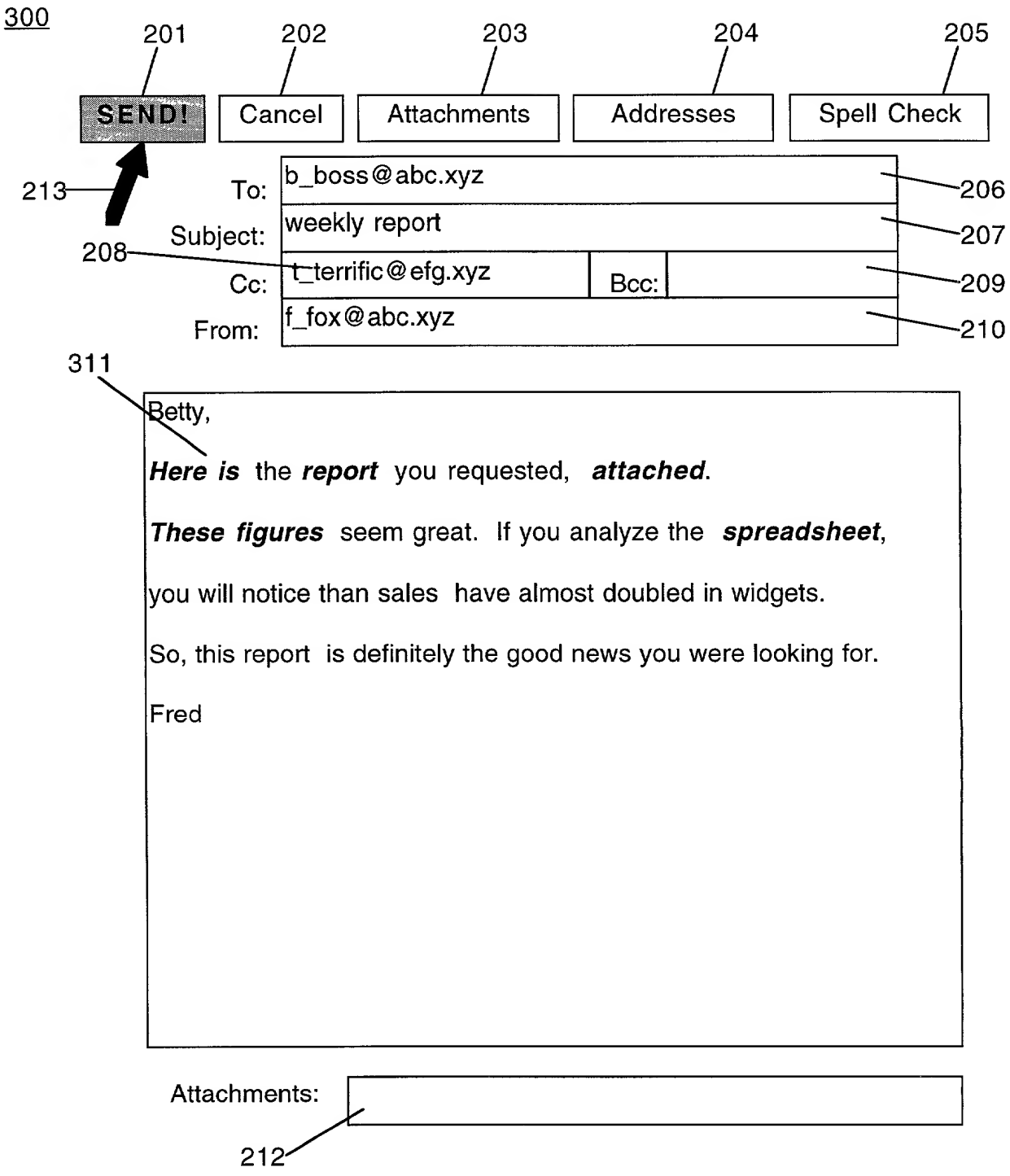
300
201
202
203
204
205
SEND!
Cancel
Attachments
Addresses
Spell Check
213
To:
b_boss@abc.xyz
206
Subject:
weekly report
207
208
Cc:
t_terrific@efg.xyz
Bcc:
209
From:
f_fox@abc.xyz
210
311
Betty,
Here is the report you requested, attached.
These figures seem great. If you analyze the spreadsheet,
you will notice than sales have almost doubled in widgets.
So, this report is definitely the good news you were looking for.
Fred
Attachments:
212

Figure 3B

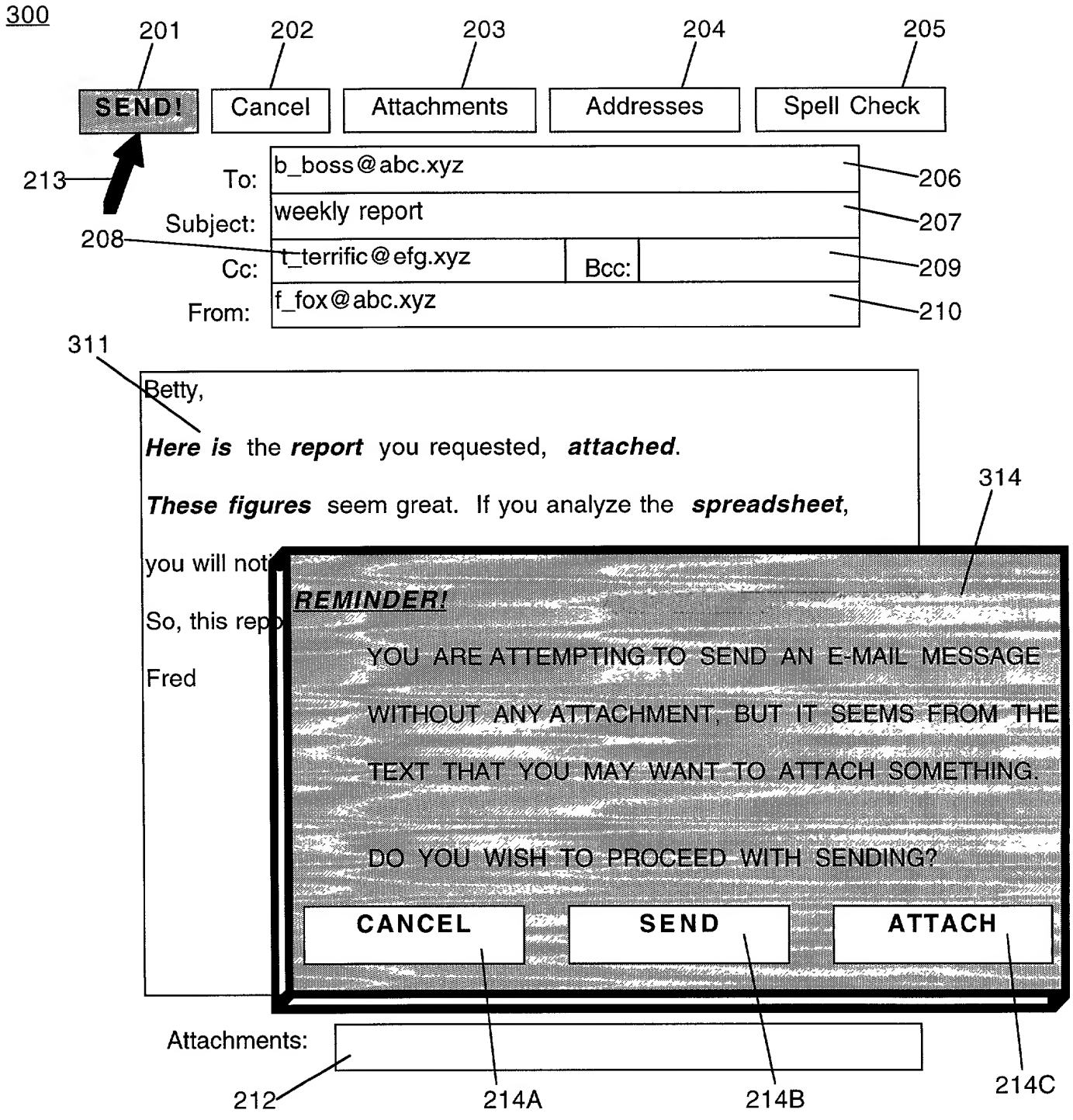
300
201
202
203
204
205
SEND!
Cancel
Attachments
Addresses
Spell Check
213
To:
b_boss@abc.xyz
206
Subject:
weekly report
207
208
Cc:
t_terrific@efg.xyz
Bcc:
209
From:
f_fox@abc.xyz
210
311
Betty,
Here is the report you requested, attached.
These figures seem great. If you analyze the spreadsheet,
you will not
So, this rep
Fred
314
REMINDER!
YOU ARE ATTEMPTING TO SEND AN E-MAIL MESSAGE
WITHOUT ANY ATTACHMENT, BUT IT SEEMS FROM THE
TEXT THAT YOU MAY WANT TO ATTACH SOMETHING.
DO YOU WISH TO PROCEED WITH SENDING?
CANCEL
SEND
ATTACH
Attachments:
212
214A
214B
214C

Figure 3C

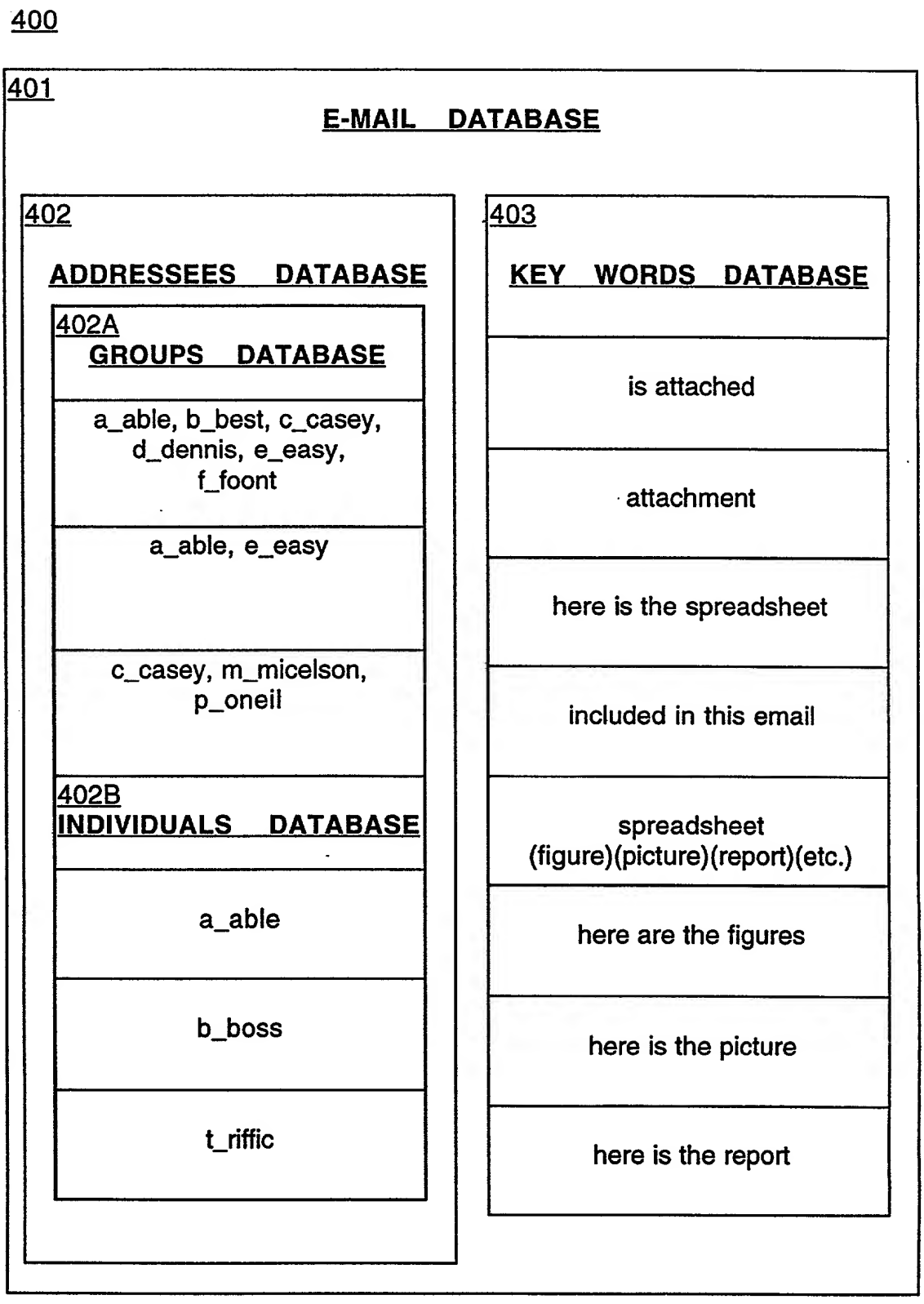
400
401
E-MAIL DATABASE
402
ADDRESSEES DATABASE
402A
GROUPS DATABASE
a_able, b_best, c_casey, d_dennis, e_easy, f_foont
a_able, e_easy
c_casey, m_micelson, p_oneil
402B
INDIVIDUALS DATABASE
a_able
b_boss
t_riffic
403
KEY WORDS DATABASE
is attached
attachment
here is the spreadsheet
included in this email
spreadsheet (figure)(picture)(report)(etc.)
here are the figures
here is the picture
here is the report

Figure 4

500

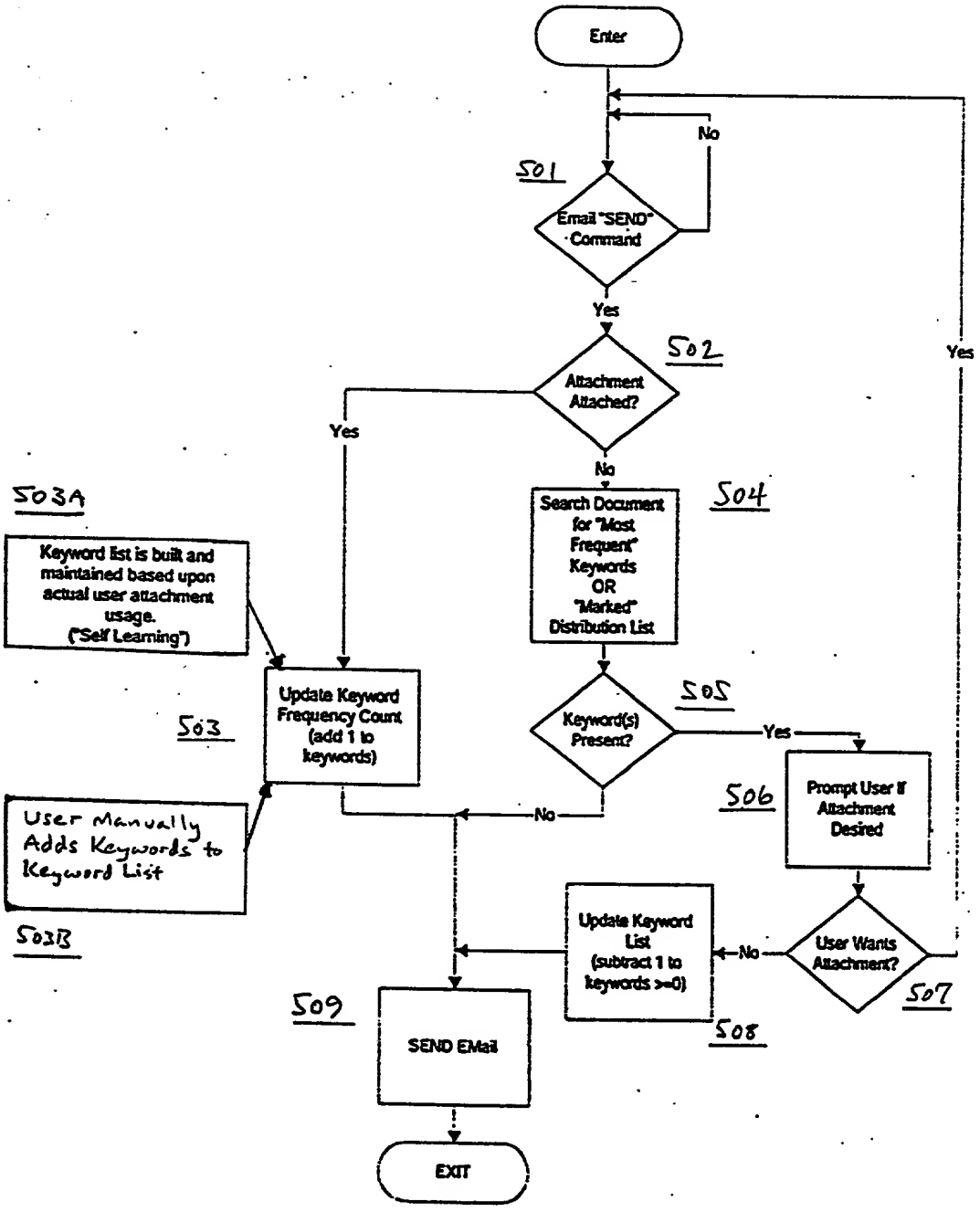
Enter
No
501
Email "SEND" Command
Yes
502
Attachment Attached?
Yes
Yes
No
503A
Keyword list is built and maintained based upon actual user attachment usage. ("Self Learning")
504
Search Document for "Most Frequent" Keywords OR "Marked" Distribution List
503
Update Keyword Frequency Count (add 1 to keywords)
505
Keyword(s) Present?
Yes
506
Prompt User if Attachment Desired
User Manually Adds Keywords to Keyword List
503B
No
Update Keyword List (subtract 1 to keywords >=0)
No
User Wants Attachment?
507
508
509
SEND EMail
EXIT

Fig. 5